

### **WHAT IS CLAIMED IS:**

1. A heatsink device, comprising:
  - a heat conducting interface;
  - a press plate mounted on the heat conducting interface; and
  - 5 a plurality of heat conducting metal threads pressed between the heat conducting interface and the press plate.
2. The heatsink device in accordance with claim 1, wherein the heat conducting interface, the heat conducting metal threads and the press plate form a sandwich structure.
- 10 3. The heatsink device in accordance with claim 1, wherein the heat conducting metal threads are arranged in a horizontal manner.
4. The heatsink device in accordance with claim 1, wherein the heat conducting metal threads are extended in a horizontal direction.
5. The heatsink device in accordance with claim 1, wherein the heat  
15 conducting metal threads are arranged in parallel with each other.
6. The heatsink device in accordance with claim 1, wherein each of the heat conducting metal threads has two distal ends protruded outward from the two sides of the heat conducting interface and the press plate respectively.
7. The heatsink device in accordance with claim 6, wherein the two  
20 distal ends of each of the heat conducting metal threads are protruded outward from the two sides of the heat conducting interface and the press plate in a horizontal manner.

8. The heatsink device in accordance with claim 1, wherein the heat conducting metal threads form a heatsink interface.